

## APPENDIX A

A list of  $\chi$  values for elements that may be used as ferromagnetic layers and conductive spacers is provided below:

	<u>Element</u>	<u>Polycrystalline <math>\chi</math> (eV)</u>	<u>Bulk Crystal Structure</u>
6	Au	2.22	FCC
7	Fe	1.90	BCC
8	Cu	1.91	FCC
9	Ag	1.89	FCC
10	Pt	2.34	FCC
11	Pd	2.32	FCC
12	Ir	2.32	FCC
13	Rh	2.04	FCC
14	Co	2.05	FCC in thin films
15	Ni	2.13	FCC
16	Mn	1.65	Complex
17	Cr	1.83	BCC
18	Ti	1.76	
19	V	1.74	BCC
20	Ru	1.92	CPH close packed hexagonal
21	Sn	1.79	Complex
22	Ta	1.73	BCC
23	Nb	1.75	BCC

1	Zr	1.63	BCC CPH
2	Hf	1.57	CPH
3	Y	1.21	CPH
4	La	1.39	FCC CPH

	<u>Element Polycrystalline <math>\chi</math> (eV.)</u>	<u>Bulk Crystal Structure</u>	
7	Rare earth elements	~1.21	Complex CPH FCC BCC
8	C	~2.52	Various forms
10	N	~3.01	Gaseous
11	Al	~1.72	FCC
12	Ge	~2.00	
13	Si	~1.96	
14	Bi	1.71	
15	As	1.50	